Program: Computer Programming 2002-03 November 20, 2002

This program is designed to give students comprehensive skills in writing computer programs using several different languages.

Outcome 1	Measurable Criteria	Measurement Tool	Time Frame
Comprehensive skills in planning, creating, and debugging programs	75% of CP ATA students will average 80% or better in 200-level programming language courses	Student grades for most recent school year in CIS 204, 264, 266, 282, 284	Annual evaluation during Winter Quarter for the prior academic year.
Results: For 2001-02 cycle, student grades were: CIS 204=6/7=85.7%; CIS 264=6/11=54.5%; CIS 266=15/18=83.3%; CIS 282=7/13=53.8%;CIS 284=9/19=47%; overall = 43/68 = 63%			
Analysis and Action: For 2001-02, it was determined that there is a lack of structure and cohesiveness between programming language courses. As a result of last year's analysis, the program has been revamped to (1) offer a stronger core, (2) better identify prerequisite classes (3) assure students' progress through classes in an appropriate sequence and (4) provide choices from designated concentrations. New program guidelines were put into effect Fall 2002.			

Outcome 2	Measurable Criteria	Measurement Tool	Time Frame
Demonstrated ability to apply database and programming concepts in different situations.	75% of CP majors will earn 80% or better in courses drawing upon multiple disciplines.	Student grades in CIS 266, 282, & 284.	Annual evaluation during Winter Quarter for the prior academic year.
Results: For 2001-02 cycle, student grades were: CIS 266=18/18=100%; CIS 282=12/13=92.3%; overall = 30/31 =96.7%			
Analysis and Action: For 2001-02, Outcome has been met.			

Outcome 3	**Measurable Criteria**	**Measurement Tool**	**Time Frame**
Graduates will be prepared to be employed in the information technology sector or related positions.	70% of CP graduates will be employed within 1 year of graduation.	DLOA database	Annual evaluation during Winter Quarter for the prior academic year.
Results: According to the Washington State Job Training Results, 83% of the completers are employed, which is based on unemployment insurance records between 1997 and 2000.			
Analysis and Action:			

Outcome 4	**Measurable Criteria**	**Measurement Tool**	**Time Frame**
Computer programming students will learn current practices and techniques.	1. 80% of students who self-identify as working in their field of study will respond yes when asked if their learning objectives were satisfied. 2. 80 % of organizations employed CP graduates will report relevant & satisfactory skill levels. 3. CIS Advisory Committee endorses CP curriculum.	1. Annual CIS survey 2. Triennial survey 3. Annually	1. Annual evaluation during Winter Quarter for the prior academic year (data collected in prior spring) 2. An annual survey is too frequent given the changes in CP; time needed to generate sufficient employment opportunities & time for employers to have good foundation for conclusions. Survey will also request information on expected changes in technology practices & skill sets future graduates would need. 3. Winter quarter CP faculty will meet with CIS Advisory Committee to review the current program. Review will focus on keeping CP program current with local & state technology

			trends & practices. Review will incorporate data generated to date for other assessment criteria and any initial findings or conclusions of faculty.

Results:
From the Spring 2000 department survey, 78% (15 of 19) of programming students responded that their learning objectives were satisfied.

Analysis and Action:
Sample may have been too small. Responses to other questions indicate that students are less satisfied with class times and opportunity for advanced courses. If budget permits, more night offerings will be made available.